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GP-2811

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM		Application Number	09/775,477	
		Filing Date	2/02/01	
		First Named Inventor	Terzioglu	
		Group Art Unit	2811	
		Examiner Name	Not Assibned	
Total Number of Pages in This Submission	10	Attorney Docket Number		13441US02

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (Please identify below):
		Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	McAndrews Held & Malloy, Ltd.
Signature	
Date	June 13, 2003

### CERTIFICATE OF MAILING

"Express Mail" mailing label number EV 329 160 112 US

Date of Deposit: June 13, 2003

Name (Print/type)	Ronald E. Larson	Registration No. (Attorney/Agent)	24,478
Signature	<u>Ronald E. Larson</u>		Date June 13, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Case No. 13441US02

PATENT

In the Application of:

Esin Terzioglu et al.

Serial No.: 09/775,477

Filed: February 2, 2001

For: MEMORY MODULE WITH  
HIERARCHICAL FUNCTIONALITY

Examiner: Not Assigned

Group Art Unit: 2811



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all correspondence referenced herein are being deposited with the United States Postal Service as Express Mail in an envelope addressed to the Mail Stop Non-Fee Amendment Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on June 13, 2003 as Express Mail No. EV 329 160 112 US.

By: Ronald E. Larson  
Ronald E. Larson  
Reg. No. 24,478

**SECOND PRELIMINARY AMENDMENT**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Amendment is being filed before receipt of a first Office Action. Kindly amend the above-identified application as follows:

In The Claims:

Kindly cancel claims 2, 10-16 and 23.

Kindly amend claims 1, 4, 8, 9, 18, 20, 21, 35, 37, 43, 49, 52 and 58 as follows:

**b1**

1. (Amended) A memory module comprising:
  - a. a memory cell having a memory state;
  - b. a local sense amplifier coupled with the memory cell, the local sense amplifier sensing the memory state and producing a local memory state signal representative thereof;

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